

TITLE OF THE INVENTION

RECORDED MASTER FOR MANUFACTURING INFORMATION STORAGE MEDIUM AND
METHOD OF MANUFACTURING THE MASTER

OK TO ENTER: /G.H./

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims the benefit of PCT International Patent Application No. PCT/KR2004/002198, filed September 1, 2004, Korean Patent Application No. 2004-18002, filed March 17, 2004, and Korean Patent Application No. 2003-62421, filed September 6, 2003 in the Korean Intellectual Property Office, the disclosures of which are incorporated herein by reference.

BACKGROUND OF THE INVENTION

1. Field of the Invention

[0002] An aspect of the present invention relates to a recorded master for manufacturing an information storage medium and a method of manufacturing the master, and more particularly, to a recorded master for manufacturing an information storage medium in which a pit or groove of a very small size can be formed by chemical and physical reactions between thin films and a stamper can be easily separated by a separation layer, and a method of manufacturing the master.

2. Description of the Related Art

[0003] Generally, an information storage medium is widely employed as an information recording medium in an optical pickup apparatus for recording and/or reproducing information contactlessly. Optical discs as information storage media, are divided into a compact disc (CD), and a digital versatile disc (DVD) according to the information recording capacity. Optical discs capable of recording, deleting and reproducing information include a 650MB CD-R, CD-RW, 4.7GB DVD+RW, and so on. Furthermore, an HD-DVD with a recording capacity of 20GB or over is also under development.

[0004] Thus, information storage media are being developed with the purpose of increasing a recording capacity. Representative methods for increasing a recording capacity include shortening the wavelength of a recording light source and increasing the numerical aperture of an object lens. Another method for increasing recording capacity includes forming a recording